

Title (en)  
HEATER AND AEROSOL GENERATION DEVICE COMPRISING SAME

Title (de)  
HEIZER UND AEROSOLERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)  
DISPOSITIF DE CHAUFFAGE ET DISPOSITIF DE GÉNÉRATION D'AÉROSOL LE COMPRENANT

Publication  
**EP 4147588 A4 20231101 (EN)**

Application  
**EP 21799679 A 20210506**

Priority  
• CN 202020720254 U 20200506  
• CN 2021091946 W 20210506

Abstract (en)  
[origin: EP4147588A1] A heating body (10) and an aerosol-generation device including the heating body (10) are disclosed. The heating body (10) includes: an electric heating element (2), configured to receive electric power of a power supply to generate heat; a base body (3), configured for insertion into the aerosol-forming substrate, where an accommodating cavity (31) is formed inside the base body (3), and the accommodating cavity (31) is configured to accommodate the electric heating element (2); and an infrared radiator (6), arranged on the base body (3) in heat conduction with the electric heating element (2), where the infrared radiator (6) is configured to receive the heat generated by the electric heating element (2), heat up to generate infrared rays, and heat the aerosol-forming substrate at least in a radiation manner. Infrared radiation has certain penetrability, and has a good heating effect on a cigarette, so that components in the cigarette can be fully released, thereby improving the inhaling experience of users.

IPC 8 full level  
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CPC (source: EP US)  
**A24F 40/20** (2020.01 - US); **A24F 40/46** (2020.01 - EP US); **H05B 3/0033** (2013.01 - US); **H05B 3/48** (2013.01 - EP); **A24F 40/20** (2020.01 - EP); **H05B 2203/016** (2013.01 - US); **H05B 2203/021** (2013.01 - EP); **H05B 2203/032** (2013.01 - EP US)

Citation (search report)  
• [X] WO 2019028742 A1 20190214 - CHANGZHOU PATENT ELECTRONIC TECH CO LTD [CN]  
• [X] CN 207125321 U 20180323 - CHANGZHOU PAITENG ELECTRONIC TECH SERVICE CO LTD  
• [A] CN 109770433 A 20190521 - CHINA TOBACCO ANHUI IND CO LTD  
• See references of WO 2021223716A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 4147588 A1 20230315**; **EP 4147588 A4 20231101**; CN 213604396 U 20210706; US 2023189401 A1 20230615;  
WO 2021223716 A1 20211111

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